APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

On the Subject of Free Energy and Entropy Changes
In Reactions of Complex-Formation, by K. B.
Yatsimirskiy, 8 pp.

RUSSIAN, per. Zhur. Fiz. Khim., Vol XXV, No 2, 1951,
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SLA R 1670

Sci

Jul 58

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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Concerning Certain Problems of the A. M. Butlerov Theory of Chemical Structure. II. The Chemical Structure of Hydrocarbons and the Relationship in the Energies of Formation, by V. M. Tatevskii.

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AEC Tr 1101

Sci - Chem

Dec 51 CTS

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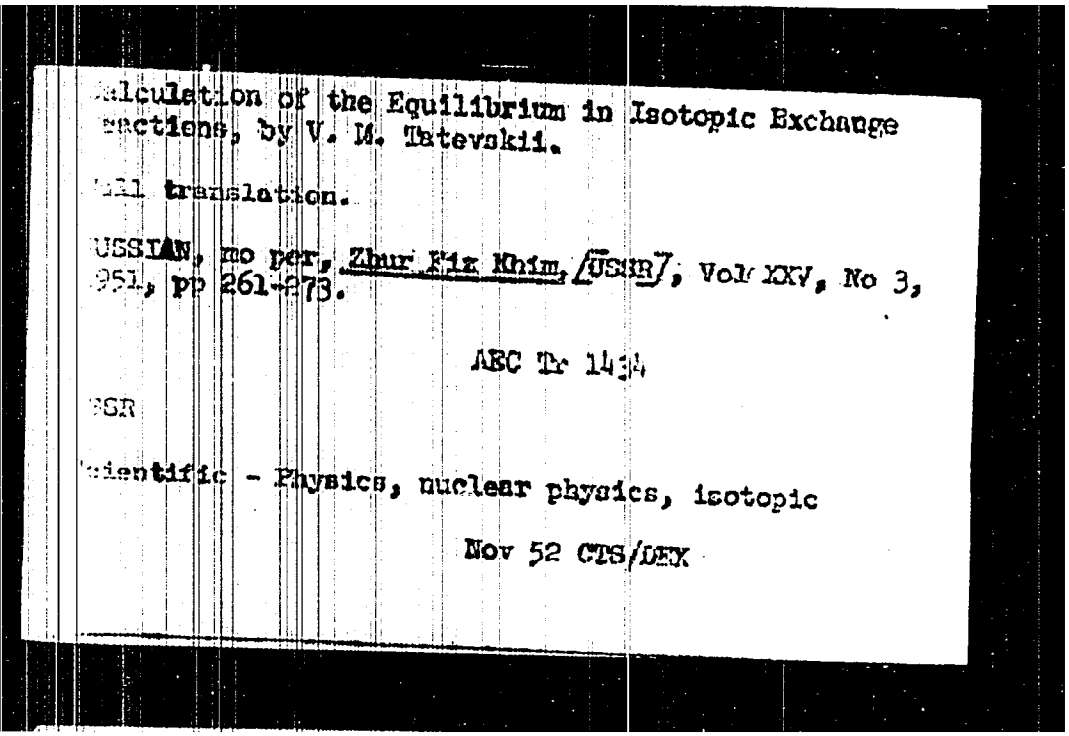

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ull translation.

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ARC Tr 1434

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cientific - Physics, nuclear physics, isotopic

Nov 52 CTS/DEX

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

Application of Lemmas of Similarity to the Estimation of the Vibration Spectrum of Isotopic Molecules, by V. M. Tatevskiy. 18 pp.

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Sci Trans Center RT 3187

Scientific - Chemistry, Physics

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Polarographic Maxima Due to the Action of an External Electric Field, by T. I. Popova, T. A. Kryukova.
RUSSIAN, per. Zh Fiz Khim, Vol 25, No 3, 1951, pp 283-292.
NLL Ref: 8732 (1290)

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178/60 (SF-1050)

Measurement of the Concentration of Oxygen Atoms in Flames by the Use of NO, by L. V. Karmilova, V. N. Kondrat'yev, 16 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXV, No 3, 1951, pp 312-322.

JPRS 4073

Sci - Chem

Oct 60

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Phase Transition of the Second Order and the Critical Phenomena. III. The Specific Heat of Liquid Binary Mixtures in the Critical Region of Stratification, by V. K. Semenchenko, V. P. Skripov.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXV, 1951, pp 362 - 368.

AEC Tr 1095

Sci - Chem

Dec 51 OTS

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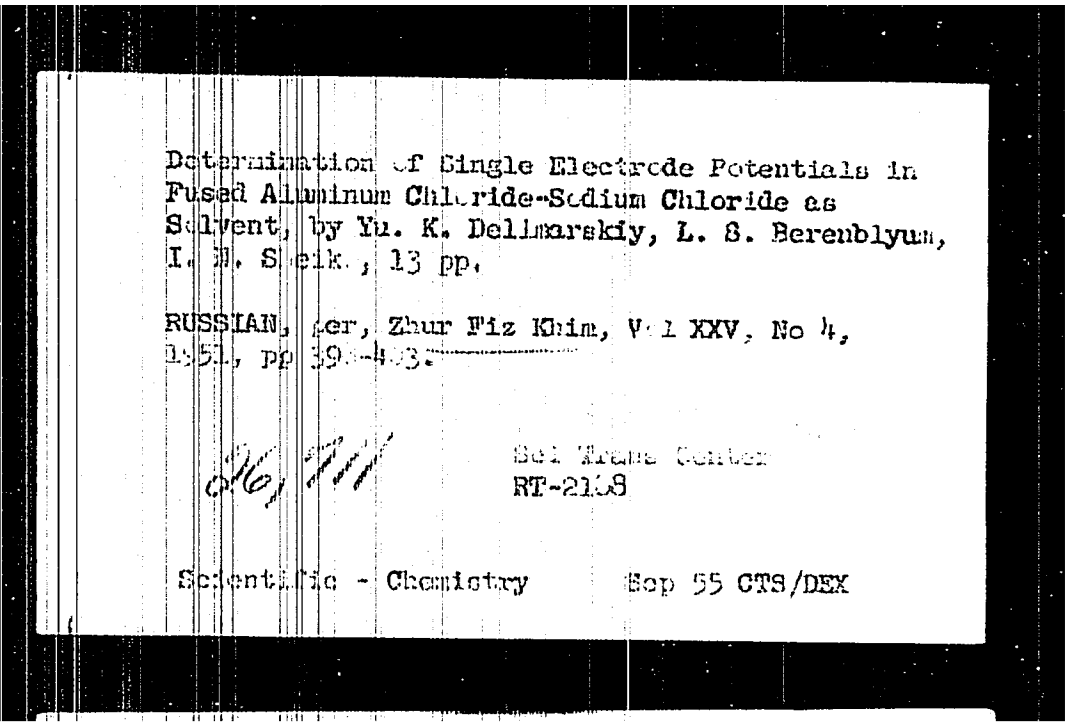

Determination of Single Electrode Potentials in Fused Aluminum Chloride-Sodium Chloride as Solvent, by Yu. K. Delimarskiy, L. S. Berenblyum, I. M. Sheik., 13 pp.

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Sci Trans Center
RT-2158

Scientific - Chemistry Sep 55 CTS/DEX

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Kinetics of the Photochlorination Reaction of Benzene, by V. A. Shushunov, G. M. Strongin, Y. I. Gryzin, A. V. Kukanov, 8 pp.

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GLA Tr R-561.

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Characteristics of the Combustion of Mixtures of Hydrogen and Bromine, by V. I. Kokochashvili.

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*ATIC

Sci - Chem

Apr 57 CIS

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178/60 (SF-1050)

Kinetics of Combustion of Carbon, by G. A. Barskiy, Ya. B. Zel'dovich, 23 pp.

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JPRS 4074

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Oct 60

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RUSSIAN, per, Zhur Fiz Khim, Vol XXV, No 5, 1951, pp 538-541.

ATS RJ-1270

Sci - Phys, Chem
Apr 60

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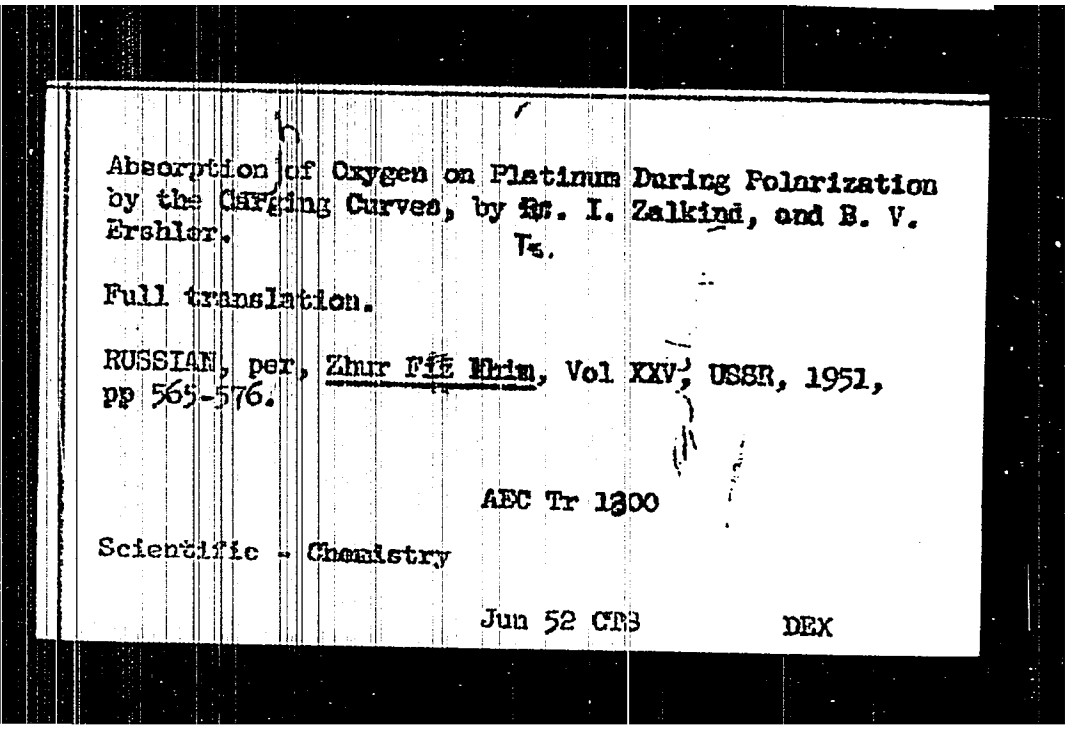

Absorption of Oxygen on Platinum During Polarization by the Charging Curves, by Sh. I. Zalkind, and B. V. Ershler.

Full translation.

RUSSIAN, per, Zhur Fiz Khim, Vol XXV, USSR, 1951, pp 565-576.

AEC Tr 1300

Scientific - Chemistry

Jun 52 CRB DEX

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The Determination of the Effective Coefficients of the Vibrations of Polyatomic Molecules, I. Effective Coefficients for Methane, Deuteromethanes, Ethane and Deuteroethanes, by P. G. Nsalov, B. A. Antipina

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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Certain Relationships in the Kinetics of the Oxidation of Methanol into Formaldehyde on a Silver Catalyst, by I. M. Vlodavets, B. Ya. Pshezhetskii

Full translation.

RUSSIAN, per, Zhur Fiz Khim, Vol XXV, 1951, pp 612-623.

AEc Tr 1612
Scientific - Chemistry Jun 53 CTS/DEX

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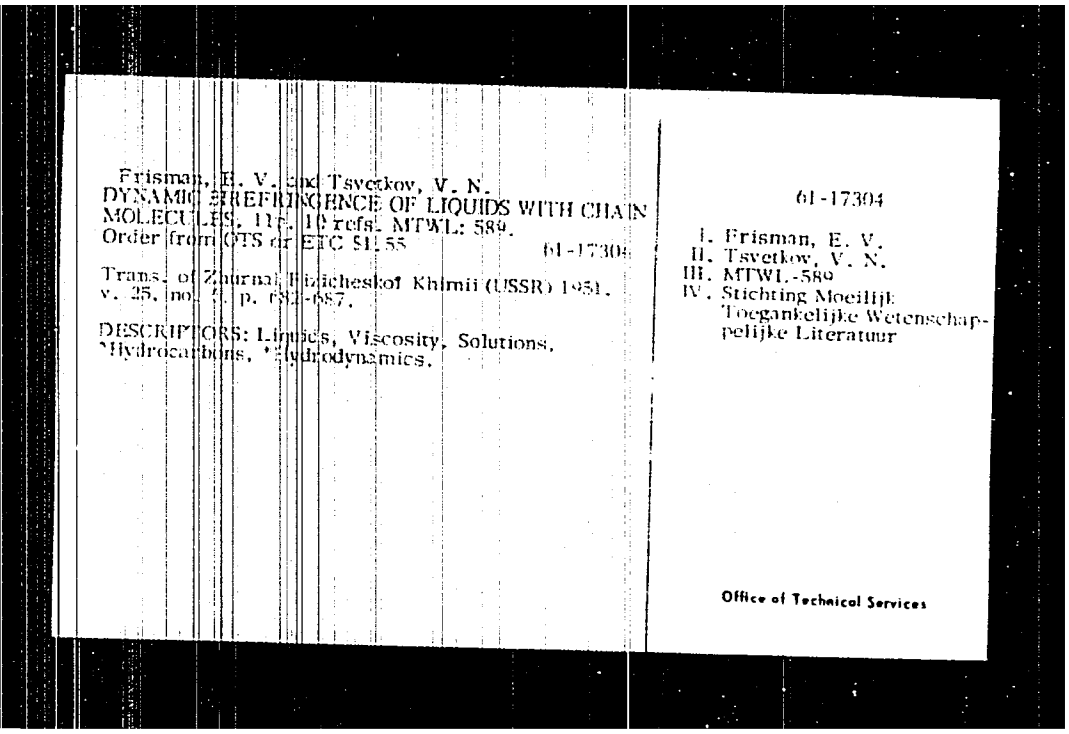

Frisman, E. V. and Tsvetkov, V. N.
DYNAMIC BIREFRINGENCE OF LIQUIDS WITH CHAIN MOLECULES. 11p. 10 refs. MTWL: 589.
Order from OTS or ETC $1.55 61-17304

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1951, v. 25, no. 7, p. 682-687.

DESCRIPTORS: Linear, Viscosity, Solutions, *Hydrocarbons, *Hydrodynamics.

61-17304

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Adsorption of Nitrogen Vapor on Silicagel at Low Temperatures, by V. P. Dreving, A. V. Kiselev, O. A. Likhacheva.

Full translation.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXV, USSR, 1951, pp 710-718.

AEC Tr 1368

Scientific - Chemistry, Nitrogen vapor, Silicagel

Sep 52 CTS/DSX

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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Spectroscopic Investigation of Solutions of Inorganic Salts in Ketones, by N. A. Slovokhotova,

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TIL No 4772

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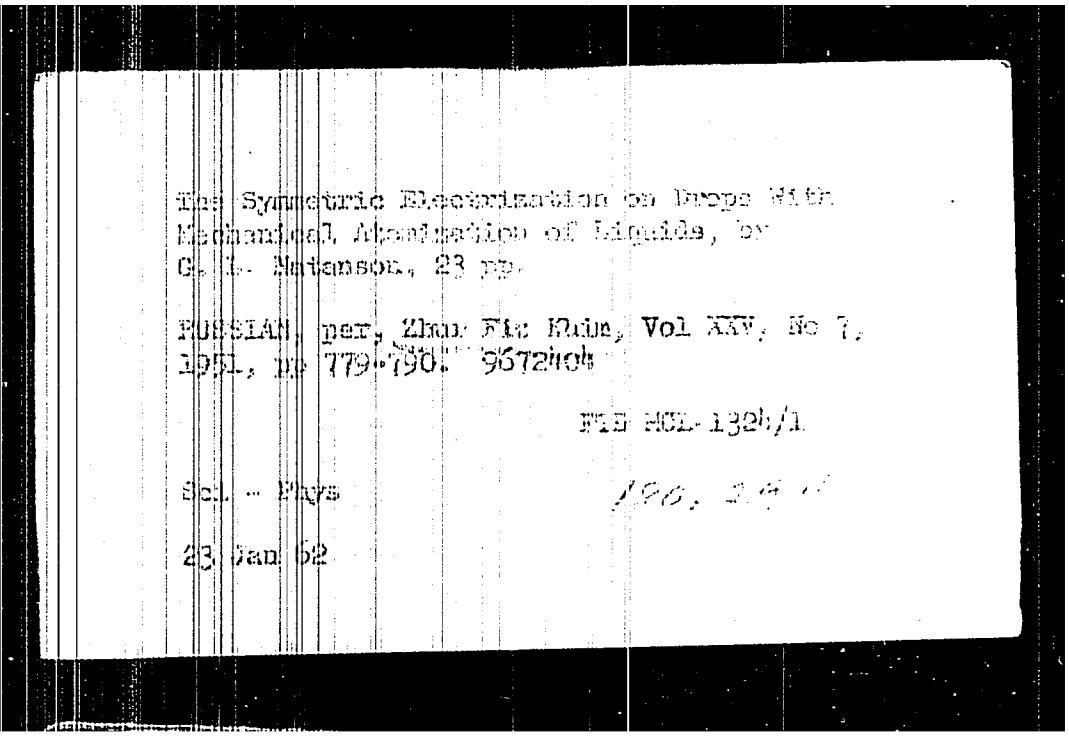

The Symmetric Electrization by Drops With Mechanical Atomization of Liquids, by G. I. Natanson, 23 pp.

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AEC - TT 301 8467

Scientific - Chemistry Dec 53 CTS/DEX

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Full translation.

RUSSIAN, Per, Zhur Fiz Khim, Vol XXV, USSR, 1951, pp 814-822.

AEC TR 1401

USSR
Scientific - Chemistry, vibrations, molecules

Oct 52 CTS/DSX

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Kinetics of Polymerization of Vinyl Chloride in Solution under the Action of Benzoyl Peroxide, by G. V. Tkachenko
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NLL Ref: 5828.4F (5994)

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Aug 68

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Mechanism of Reduction of Iron Oxides With Hydrogen, Carbon Monoxide, and Mixtures of These Gases, by V. A. Roiter, V. A. Yuza, A. N. Kuznetsov, UNCLASSIFIED.

RUSSIAN, per, Zhur Fiz Khim, Vol XXV, No 8, 1951, pp 960-970.

Brutcher Tr No 3313

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Scientific - Min/Metals

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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RUSSIAN, pur, Zhur Fiz Khim, Vol XXV, No 8, 1951, pp 981-987.

Insdoc
Natl Physical Laboratory of India,
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Sci - Chemistry

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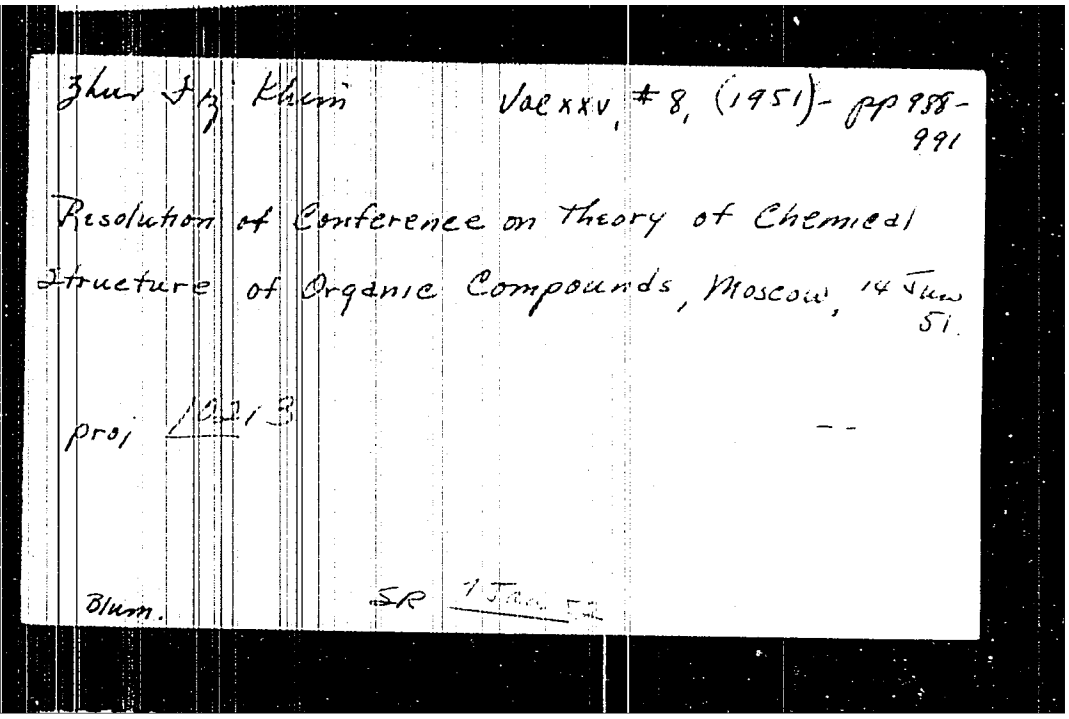

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proj 1221/3

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SR 7 Jun 52

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HEW NIH No S-[redacted]
5-40-66

CFSTI TT-66-61757

Sci - Phys
Jun 66

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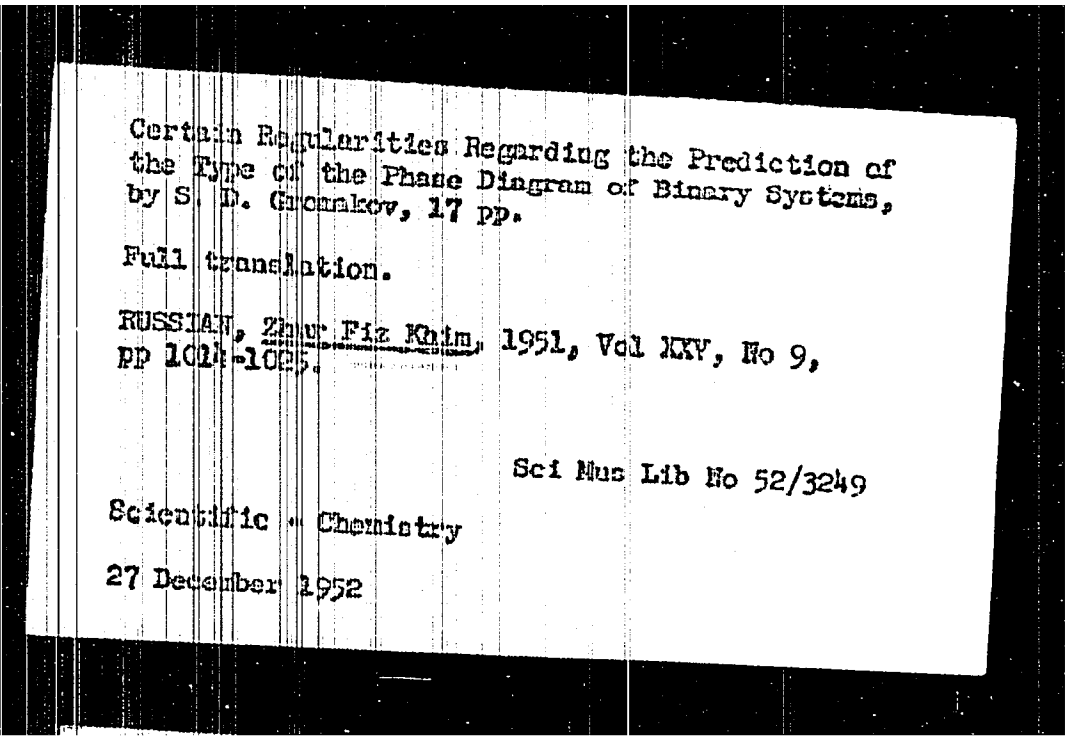

Certain Regularities Regarding the Prediction of the Type of the Phase Diagram of Binary Systems, by S. D. Gromakov, 17 pp.

Full translation.

RUSSIAN, Zhur Fiz Khim, 1951, Vol XXV, No 9, pp 1014-1025.

Sci Mus Lib No 52/3249

Scientific - Chemistry

27 December 1952

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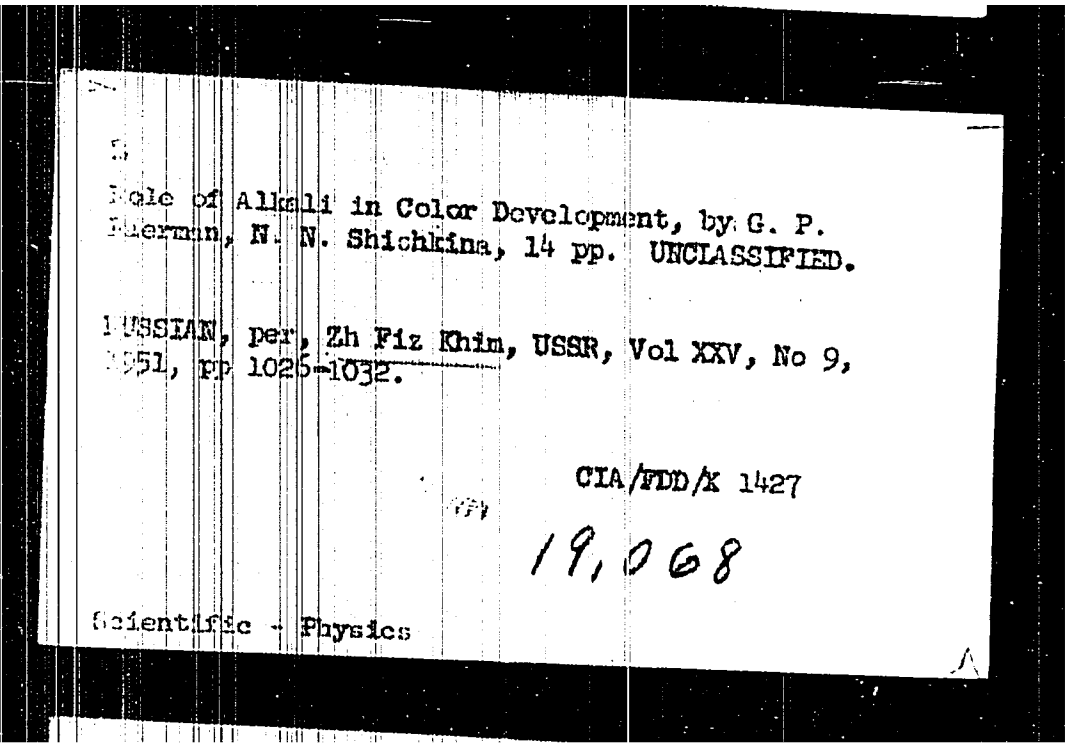

Role of Alkali in Color Development, by G. P. Luerman, N. N. Shichkina, 14 pp. UNCLASSIFIED.

RUSSIAN, per, Zh Fiz Khim, USSR, Vol XXV, No 9, 1951, pp 1025-1032.

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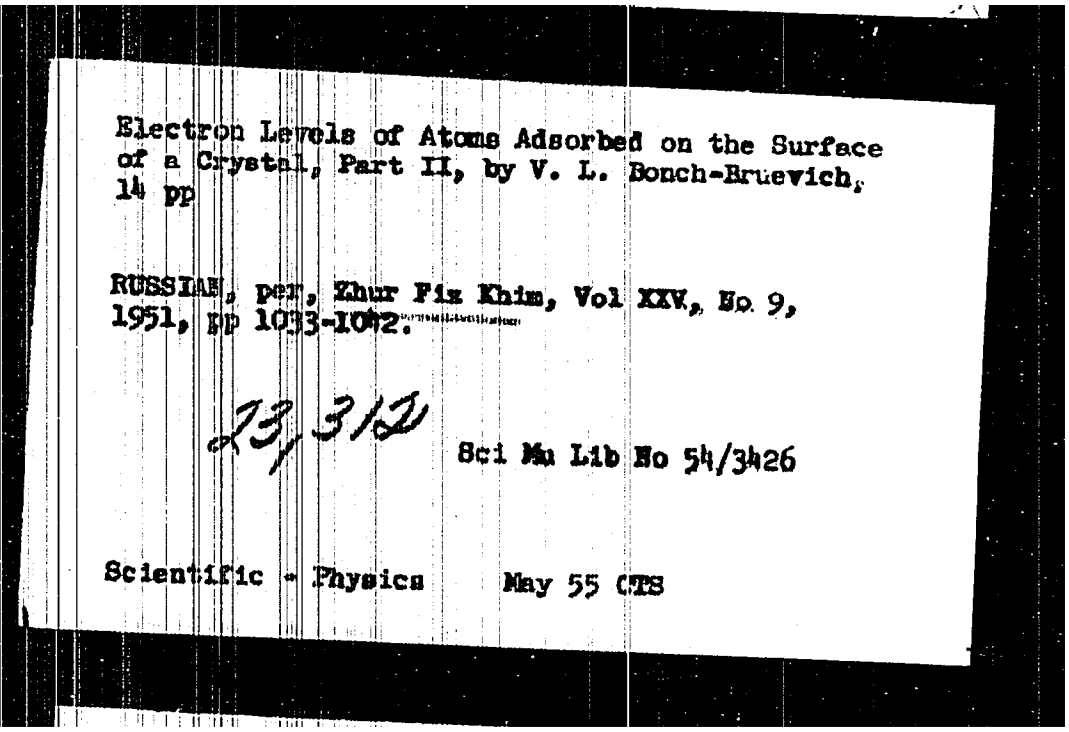

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Sci Mu Lib No 54/3426

Scientific - Physics May 55 CTS

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The Relationship Between Solubility, Coefficient of Activity and Properties of Particles Constituting a Solution, by M. I. Shakhparonov.

RUSSIAN, per, Zhur Fiz Khim, Vol XXV, 1951, pp 1103-1110.

AEC Tr 2824

SLA R-45,102

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Mar 57/CRS

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

Series of Voltages for Heavy Colored Metals and their Sulfides in Fused Chlorides of Alkaline Metals, by S. I. Remtel (S. E. Rennel), I. M. Ozeryanya (E. M. Ozeryanga), 10 pp.

RUSSIAN, mo per, Zhur Fiz Khim, Vol XXV, 1951, pp 1181-1185.

AEC Tr 3000
SLA R-1762 52, 45-4

Sci - Min/met; Physics
Sep 57

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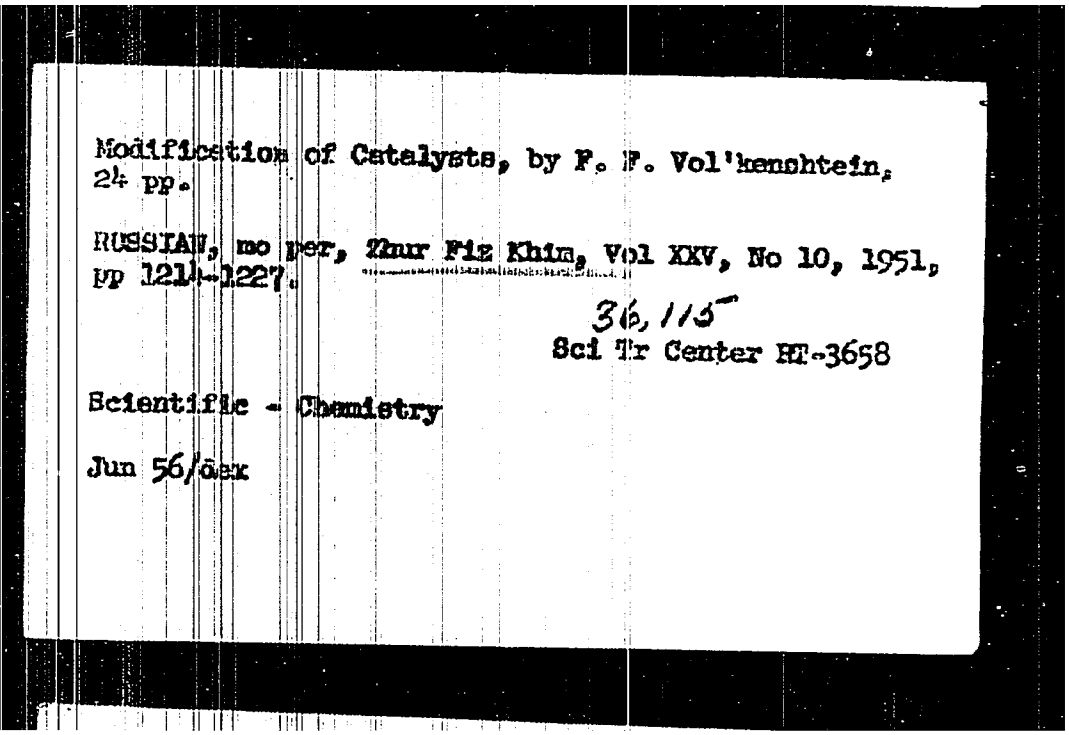

Modification of Catalysts, by F. F. Vol'kenshtein, 24 pp.

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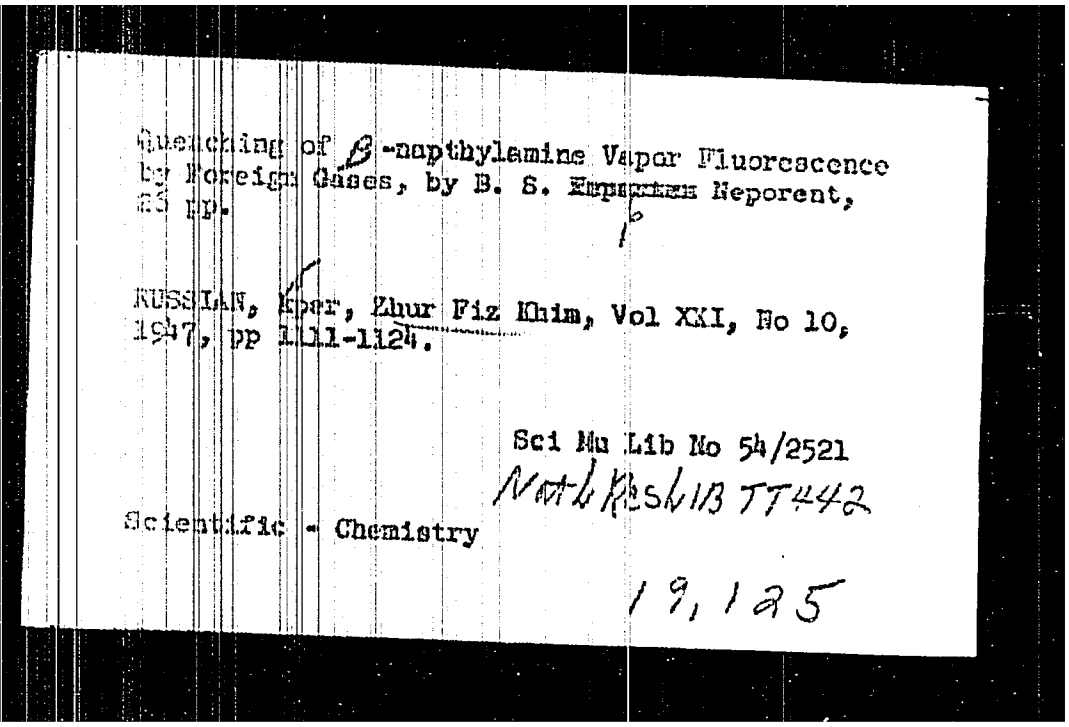

Quenching of β-napthylamine Vapor Fluorescence by Foreign Gases, by B. S. Neporent, 13 pp.

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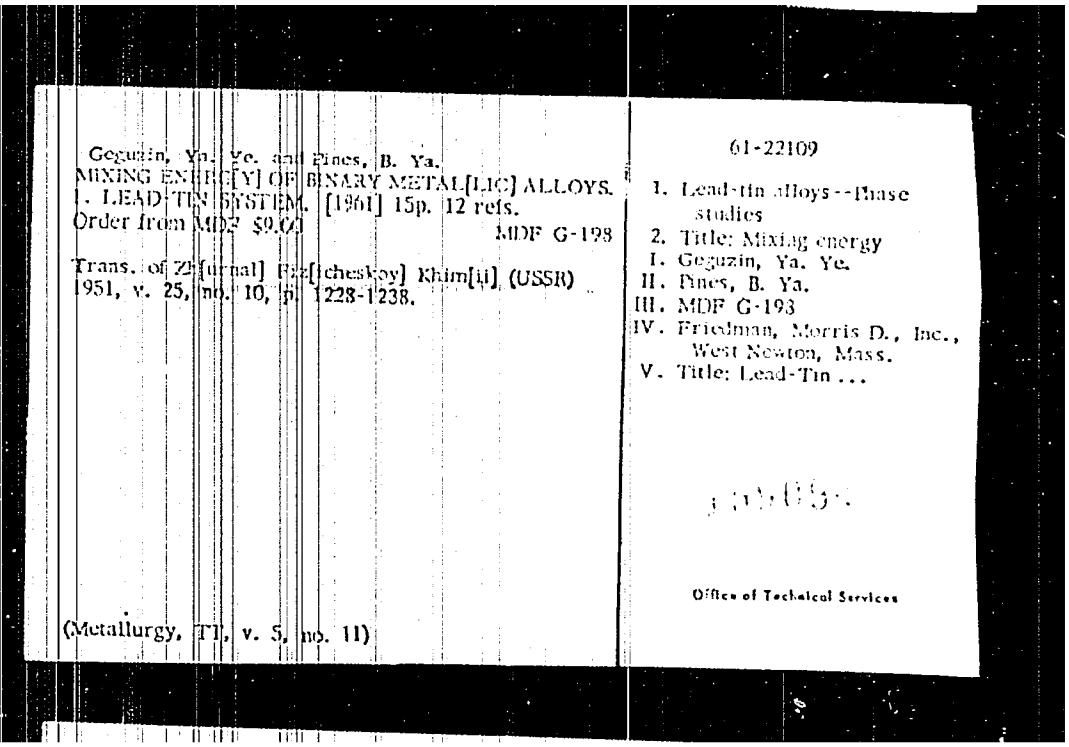

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Order from MDF $9.00 MDF G-193

Trans. of Zh[urnal] Fiz[icheskoy] Khim[ii] (USSR) 1951, v. 25, no. 10, p. 1228-1238.

(Metallurgy, TI, v. 5, no. 11)

61-22109

1. Lead-tin alloys--Phase studies
2. Title: Mixing energy
I. Geguzin, Ya. Ye.
II. Pines, B. Ya.
III. MDF G-193
IV. Friedman, Morris D., Inc., West Newton, Mass.
V. Title: Lead-Tin ...

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(Metallurgy, TT, v. 5, no. 11)

61-22110

I. Bismuth-cadmium alloys--Phase studies
2. Title: Mixing energy
I. Geguzin, Ya. Ye.
II. Pines, B. Ya.
III. MDF G-199
IV. Friedman, Morris D., Inc., West Newton, Mass.
V. Title: Bismuth-Cadmium ...

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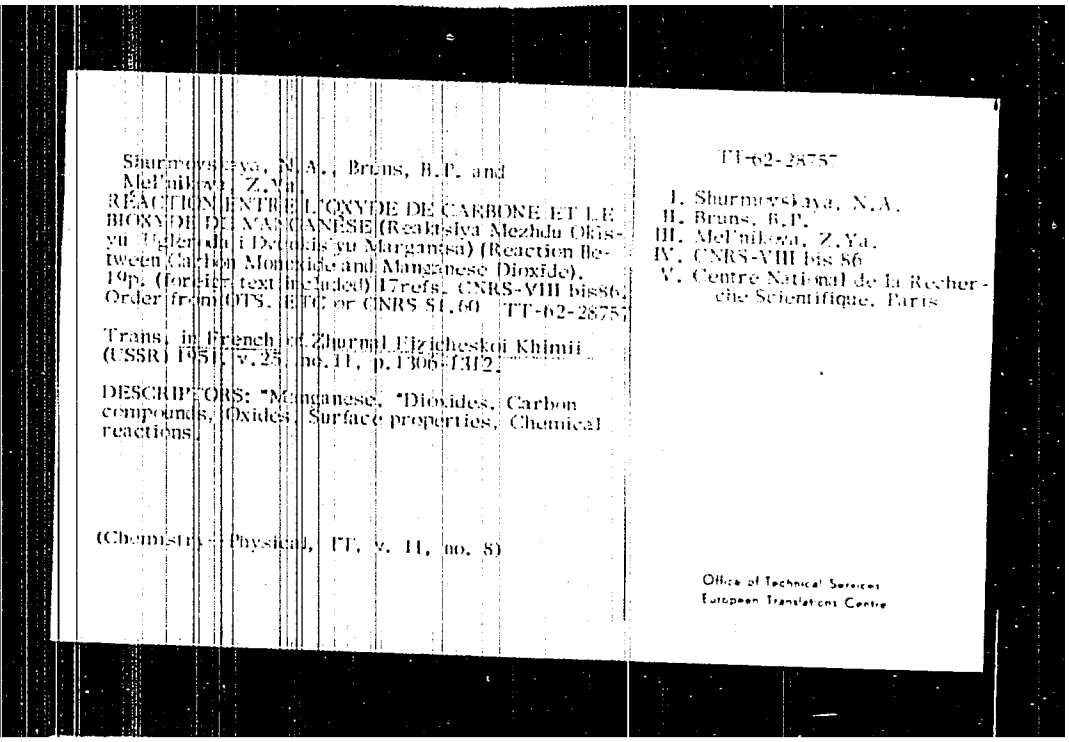

Shurmovskaya, N.A., Bruns, B.P. and Mel'nikova, Z.Ya.
RÉACTION ENTRE L'OXYDE DE CARBONE ET LE BIOXYDE DE MANGANÈSE (Reaktsiya Mezhdu Okis-yu Ugleroda i Dvuokis'yu Margantsa) (Reaction Between Carbon Monoxide and Manganese Dioxide). 19p. (foreign text included) 17refs. CNRS-VIII bis86. Order from: OTS, ETC or CNRS $1.60 TT-62-28757

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1951, v.25, no.11, p.1306-1312.

DESCRIPTORS: *Manganese, *Dioxides, Carbon compounds, Oxides, Surface properties, Chemical reactions.

(Chemistry - Physical, FT, v. 11, no. 8)

TT-62-28757

I. Shurmovskaya, N.A.
II. Bruns, B.P.
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V. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translation Centre

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Thermodynamics of Concentrated Solutions of Strong Electrolytes, by I. A. Mirtskhulava, 20 pp.

Full translation.

Vol XXIV

RUSSIAN, per, Zhur Fiz Khim, No 5, 1951, pp 1347-1354.

CIA/FDD/K-1284

~~Bell Telephone Laboratory Tr No 51 (MW)~~

Scientific - Physics Aug 53 CPS/DEX

4108

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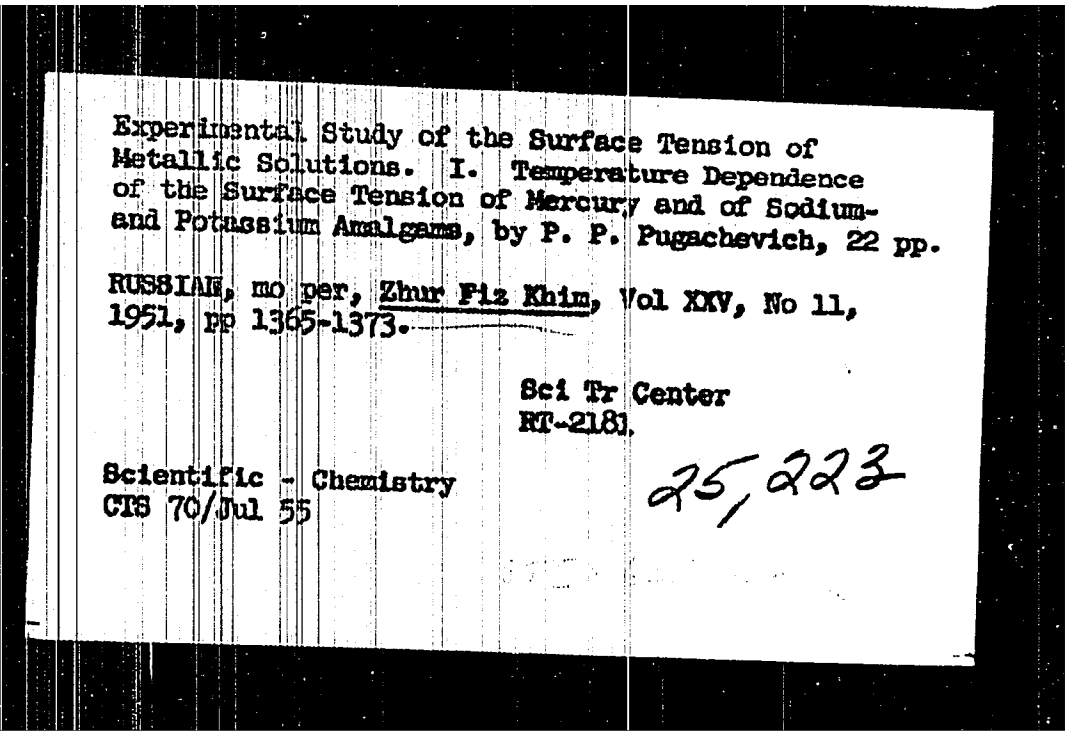

Experimental Study of the Surface Tension of Metallic Solutions. I. Temperature Dependence of the Surface Tension of Mercury and of Sodium- and Potassium Amalgams, by P. P. Pugachevich, 22 pp.

RUSSIAN, mo per, Zhur Fiz Khim, Vol XXV, No 11, 1951, pp 1365-1373.

Sci Tr Center
RT-2181

25,223

Scientific - Chemistry
CIS 70/Jul 55

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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The Theory of the Thermodynamic Properties of Solutions III. Semenchenko Rule, by M. I. Shakhparonov, 14 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXV, 1951, pp 1374-1383.

SLA R-2830

Sci

Jul 59

92, 432

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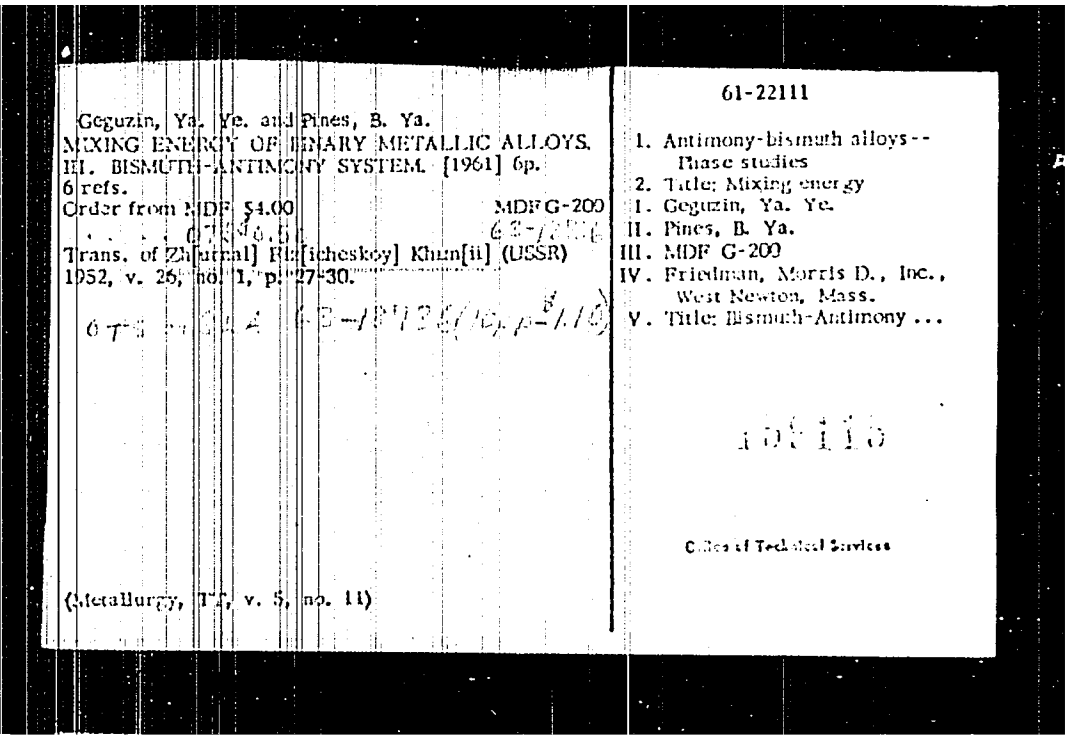

Geguzin, Ya. Ye. and Pines, B. Ya.
MIXING ENERGY OF BINARY METALLIC ALLOYS. III. BISMUTH-ANTIMONY SYSTEM. [1961] 6p.
6 refs.
Order from MDF $4.00 MDF G-200
Trans. of Zhurnal] Fiz[icheskoy] Khim[ii] (USSR)
1952, v. 26, no. 1, p. 27-30.

(Metallurgy, TT, v. 5, no. 11)

61-22111

1. Antimony-bismuth alloys--Phase studies
2. Title: Mixing energy
I. Geguzin, Ya. Ye.
II. Pines, B. Ya.
III. MDF G-200
IV. Friedman, Morris D., Inc., West Newton, Mass.
V. Title: Bismuth-Antimony ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

Thermodynamics of Concentrated Solutions of Strong Electrolytes, Part II, by I. A. Mirtskhulava, 19pp.

Full translation.

Vol XXVI

RUSSIAN, per, Zhur Fiz Khim, No 26, 1952, pp 39-47.

~~Bell Telephone Laboratory Tr A150 (RW)~~

CIA/FDD/X-1285

Scientific - Physics. Aug 53 CTS/DEX

4109

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

The Mechanism of the Action of Optical Radiation of an Anodically Oxidised Lead Electrode, by V. I. Ginsburg, V. I. Veselovskiy, 15 pp.

RUSSIAN, per, Zhur Fiz Khim, 1952, Vol XXVI, No 1, pp 60-71.

ATS-88L28R

Sci - Chem
CIS I, 12
Jul 59

92,264

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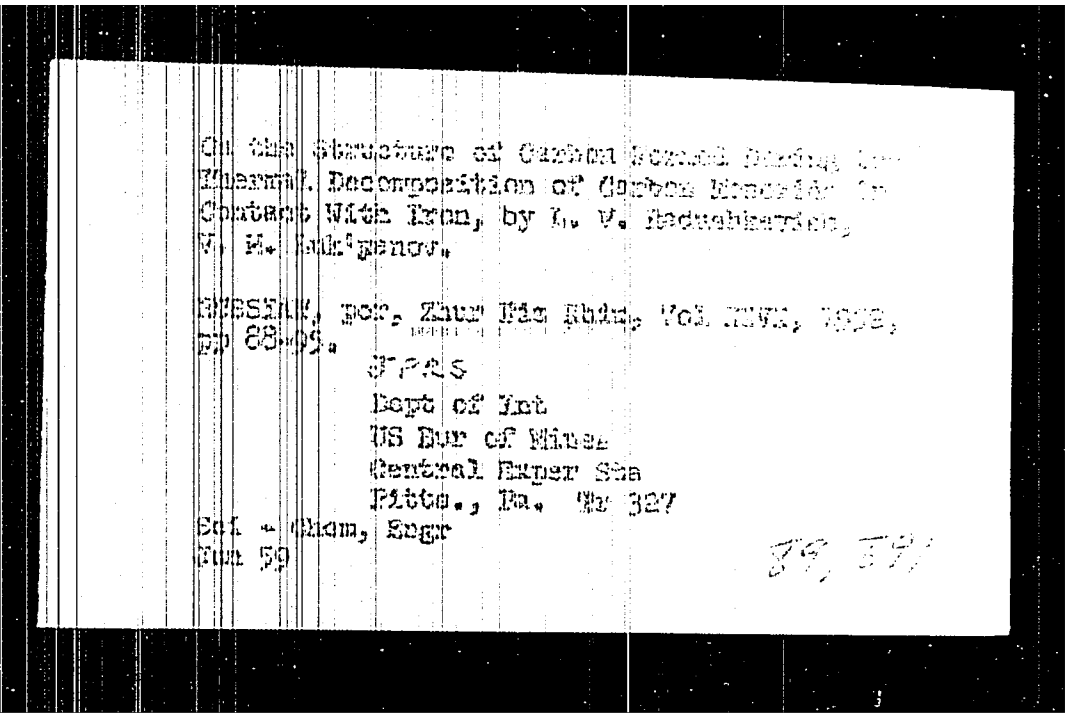

On the Structure of Carbon Formed During Thermal Decomposition of Carbon Monoxide in Contact With Iron, by L. V. Radushkevich, V. M. Lukyanovich.

ZHURNAL, fiz. Khim, Vol XXVI, 1952, pp 88-95.

JPRS
Dept of Int
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Sci + Tech, Engr
Jun 59

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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Electronographic Study of Hydroxide Films on Metals (magnesium, aluminum, iron and copper), by N. A. Shishakov.

RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol XXVI, No 1, 1952, pp 106-111.

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Assoc Tech Svc
RJ-167
17,448

Scientific - Chemistry

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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Steric Factors in Unimolecular and Bimolecular Reactions, by A. D. Stepukhovich, L. M. Timonin.

Full translation.

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, USSR, 1952, pp 145-155.

AEC Tr 1489
CIA/FDD-X-4703

Scientific - Chemistry, unimolecular, bimolecular

Jan 53 CTS/DEX

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

The Dynamics of Desorption From Solutions, by M. B. Tovbin, A. D. Greenburg, 17 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, 1952, pp 156-164.

AEC Tr 3165

Sci - Chem

May 58

62,698

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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Photoelectrochemical Process in a Microheterogeneous Sensitizing System: Suspension of ZnO/Solution, by V. I. Vesselovskiy, D. M. Shub.

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, No 1, 1952, pp 509-519.

WLL M. 3069

Sci - Chem

Feb 62

184, 845

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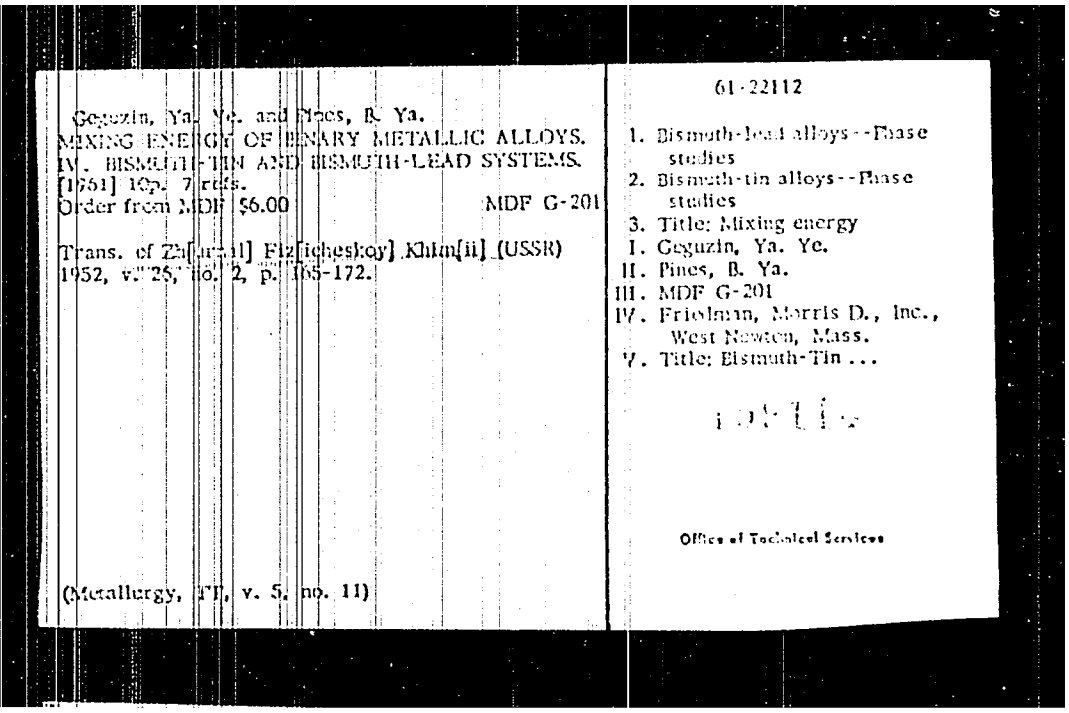
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2



Geguzin, Ya. Ye. and Pines, B. Ya.
MIXING ENERGY OF BINARY METALLIC ALLOYS. IV. BISMUTH-TIN AND BISMUTH-LEAD SYSTEMS. [1961] 10p. 7 refs.
Order from MDF $6.00 MDF G-201

Trans. of Zh[urnal] Fiz[icheskoy] Khim[ii] (USSR) 1952, v. 25, no. 2, p. 165-172.

(Metallurgy, FT, v. 5, no. 11)

61-22112

1. Bismuth-lead alloys--Phase studies
2. Bismuth-tin alloys--Phase studies
3. Title: Mixing energy
I. Geguzin, Ya. Ye.
II. Pines, B. Ya.
III. MDF G-201
IV. Friedman, Morris D., Inc., West Newton, Mass.
V. Title: Bismuth-Tin ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

On the Theory of Decomposition of Amalgams by Solutions of Electrolytes, by O. L. Kaptsan, Z. A. Iofa, 15 pp.

RUSSIAN, Zhur Fiz Khim, Vol XXVI, 1952, pp 193-200.

AEC Tr 1715

Scientific - Chemistry CTS/DEX

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

Decomposition of Amalgams and Overvoltage of Hydrogen on Mercury in Alkaline Solutions, by O. L. Kaptsan, Z. A. Iofa.

RUSSIAN, mo per, Zhur Fiz Khim, Vol XXVI, 1952, pp 201-210.

Aec Tr 1716

Scientific - Chemistry

CTS/DEX

7339

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

Kinetics of the Cathodic Reduction of Oxygen, by
A. I. Krasil'shchikov,

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, No 2, 1952,
pp 216-223.

Sci Mus Lib Boston 54/1374

Scientific - Chemistry

Aug 54 CTS

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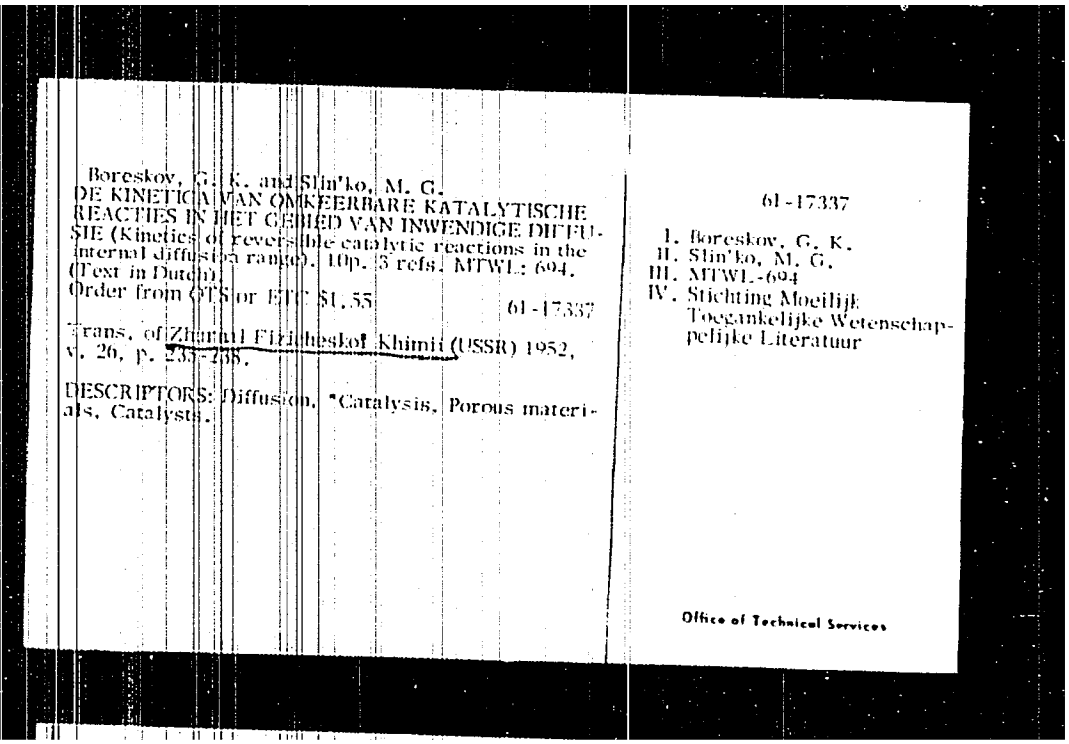

Boreskov, G. K. and Slin'ko, M. G.
DE KINETIC VAN OMKEERBARE KATALYTISCHE REACTIES IN HET GEBIED VAN INWENDIGE DIFFUSIE (Kinetics of reversible catalytic reactions in the internal diffusion range). 10p. 3 refs. MTWL: 694. (Text in Dutch)
Order from OTS or ETC $1.55 61-17337

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1952, v. 26, p. 233-238.

DESCRIPTORS: Diffusion, *Catalysis, Porous materials, Catalysts.

61-17337

I. Boreskov, G. K.
II. Slin'ko, M. G.
III. MTWL-694
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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Adsorption of Mixtures of Gases. Part 1. Adsorption of Ethylene and Carbon Dioxide on Activated Carbon, by B. P. Berlin, V. V. Serpinskiy.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXVI, 1952, pp 253-269.

Assoc Tech Sv RJ-206
$24.95

27,470

Scientific - Chemistry
CTS 73/Oct 1955

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

Reasons for the Formation of Zinc Sponge on the Cathode and Mechanism of Action of Impurities in Zincate Electrolytes, by N. T. Kudryavtsev.
RUSSIAN, per, Zhurnal Fizicheskoy Khimiy, Vol 26, No 2, 1952, pp 269-281.
Dept of Navy NIC 2838

Sci-Chem
June 69

383,172

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

Gogoberidze, D. B.
THEORY OF THE PENDULUM METHOD FOR MEASURING HARDNESS (K Teorii Mayatnikovogo Metoda Izmereniya Tverdosti). [1962] [14]p. (foreign text included) [7 refs.]
Order from OTS or SLA $1.50 62-14559

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1952, v. 26, no. 2, p. 310-314.

DESCRIPTORS: *Hardness, Measurement, Theory. Test equipment, *Instrumentation.

It is shown that the values of hardness, as measured according to P. A. Rebinder and V. D. Kuznetsov, are not constant for a given material, but do change depending on the criterion that is applied for the estimate of hardness as well as on the weight of pendulum and the shape of its supports. Hardness, according to V. D. Kuznetsov, and hardness, according to
(Physics, TT, v. 8, no. 10) (over)

62-14559

1. Title: Pendulum method
I. Gogoberidze, D. B.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

On Protective Films of Oxide and Hydroxide on Magnesium, by N. K. Shishakov, 10 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXVI, 1952, pp 357-363.

AEC Tr 2490

Sci - Minerals/Metals

36,581

Jul 1956

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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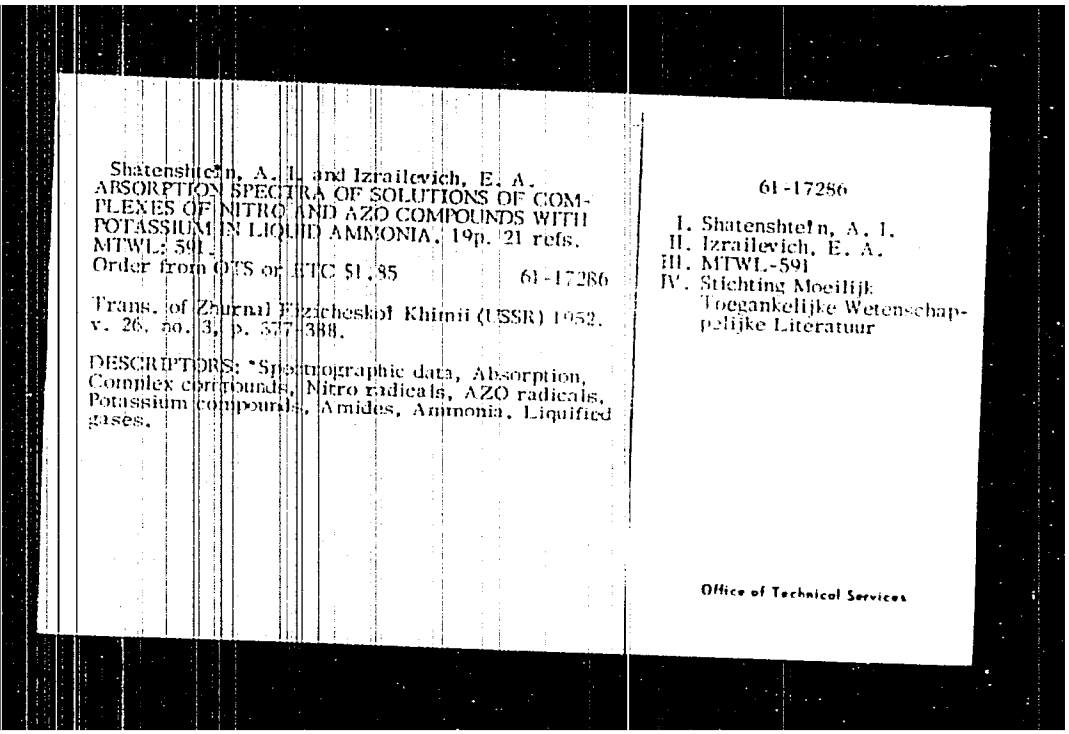

Shatenshtein, A. I. and Izrailevich, E. A.
ABSORPTION SPECTRA OF SOLUTIONS OF COMPLEXES OF NITRO AND AZO COMPOUNDS WITH POTASSIUM IN LIQUID AMMONIA. 19p. 21 refs.
MTWL: 591.
Order from OTS or ETC $1.85 61-17286

Trans. of Zhurnal Fizicheskoĭ Khimii (USSR) 1952. v. 26, no. 3, p. 377-388.

DESCRIPTORS: *Spectrographic data, Absorption, Complex compounds, Nitro radicals, AZO radicals, Potassium compounds, Amides, Ammonia, Liquified gases.

61-17286

I. Shatenshtein, A. I.
II. Izrailevich, E. A.
III. MTWL-591
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

The Nature of the Chemical Manifestation of the Hydrogen Bond in Hydroperoxides of Aliphatic Acetyls, by D. G. Knorre, N. M. Emanuel', 27 pp.

RUSSIAN, mp per, Zhur Fiz Khim, Vol XXVI, No 3, 1952, pp 425-437.

Sci Tr Center RT-2665

28, 986

Scientific - Chemistry
Dec 55 CTS/DEK

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

Hydrogen Liquefier for the Scientific Research Institute, by M. P. Malkov, A. B. Fradkov.

RUSSIAN, per, Zhur Tekh Fiz, No 22, 1952, pp 436-445.

*ATIC

Sci - Chem

Apr 57 CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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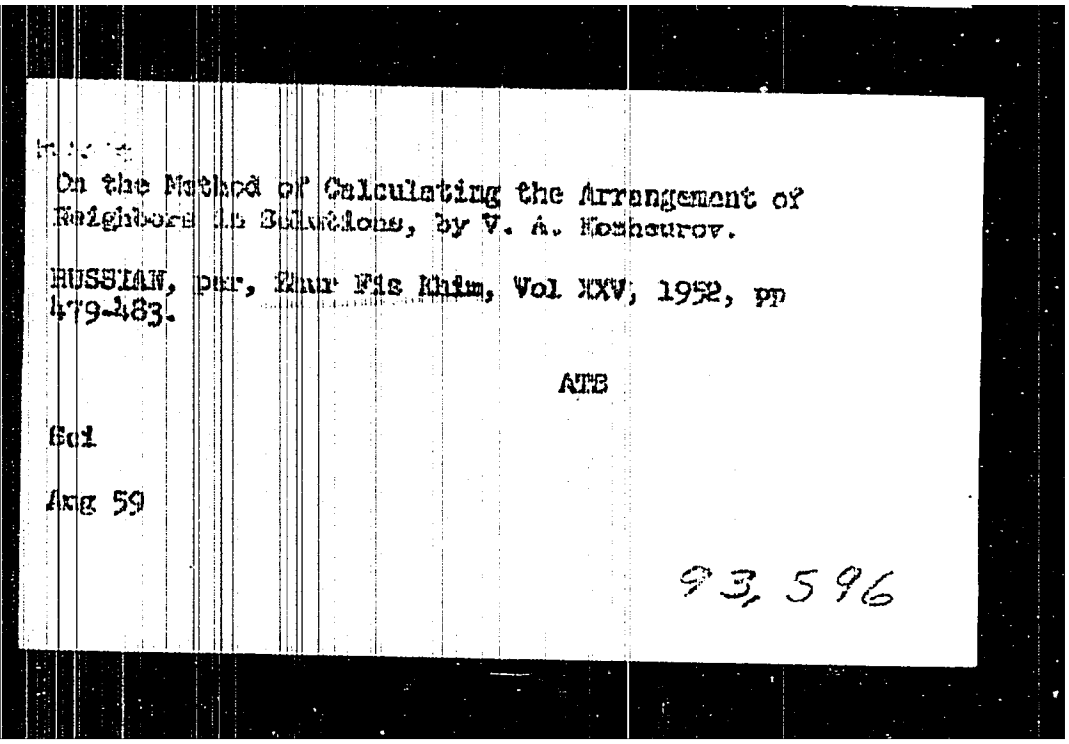

On the Method of Calculating the Arrangement of Neighboring Ln Solutions, by V. A. Kosheurov.

RUSSIAN, pur, Zhur Fiz Khim, Vol XXV, 1952, pp 479-483.

ATB

Gol

Aug 59

93,596

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

The Influence of Thermal Treatment on the Structure and Catalytic Activity of Aluminium Oxide, by G. K. Boreskov et al

RUSSIAN, Zhur Fiz Khim, 1952, Vol XXVI, No 4, pp 492-499.

SLM R-1561

GB 352/90

D.S.I.R. Tr No CTS 8

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Scientific - Minerals/Metals

61-1338 1070

List No 19, Apr 1953

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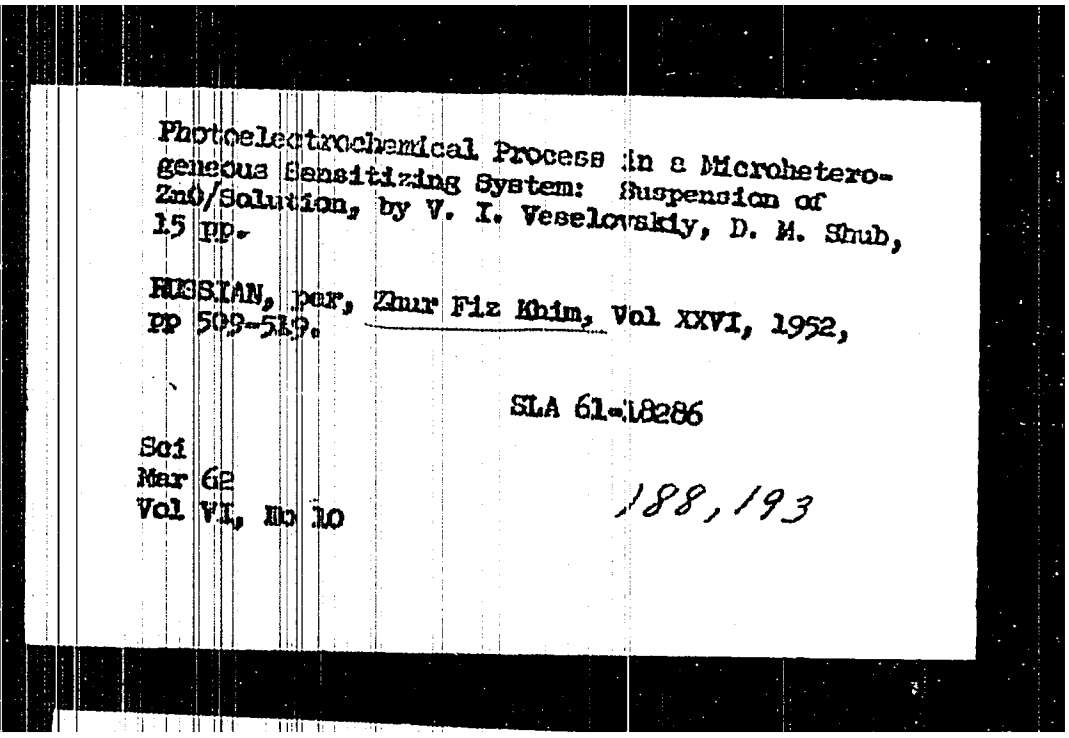

Photoelectrochemical Process in a Microheterogeneous Sensitizing System: Suspension of ZnO/Solution, by V. I. Veselovskiy, D. M. Shub, 15 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, 1952, pp 509-519.

SLA 61-18286

Sci
Mar 62
Vol VI, No 10

188,193

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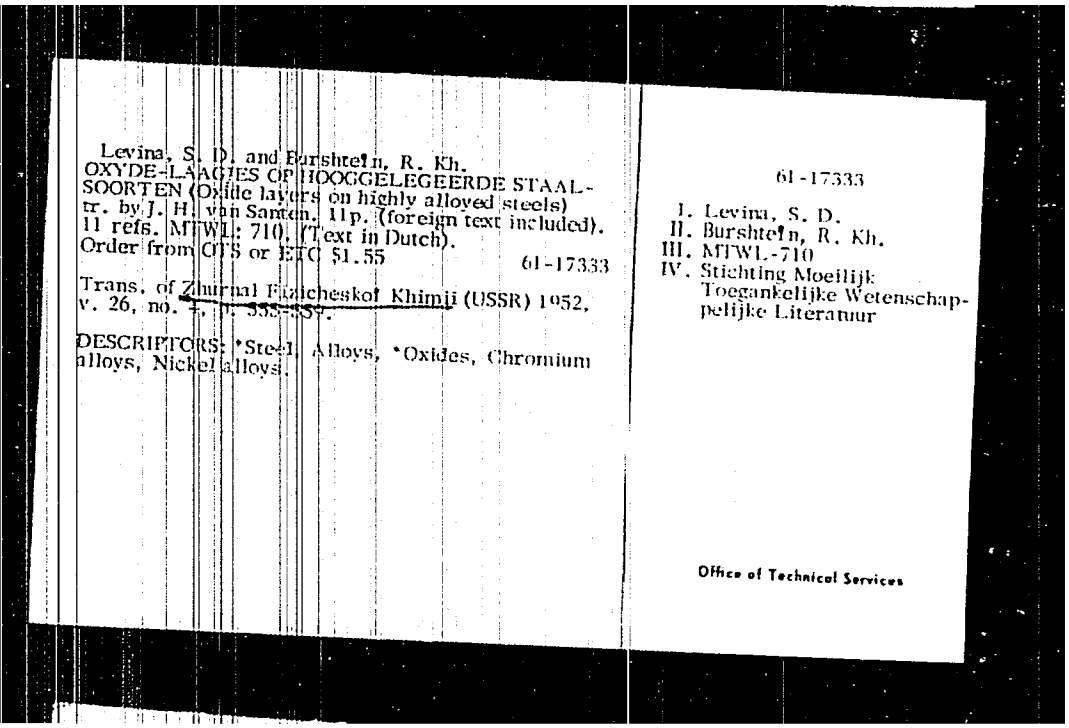

Levina, S. D. and Burshtein, R. Kh.
OXYDE-LAAGJES OP HOOGGELEGEERDE STAAL-SOORTEN (Oxide layers on highly alloyed steels) tr. by J. H. van Santen. 11p. (foreign text included). 11 refs. MTWL: 710. (Text in Dutch).
Order from OTS or ETC $1.55 61-17333

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1952, v. 26, no. 2, p. 335-357.

DESCRIPTORS: *Steel Alloys, *Oxides, Chromium alloys, Nickel alloys.

61-17333

I. Levina, S. D.
II. Burshtein, R. Kh.
III. MTWL-710
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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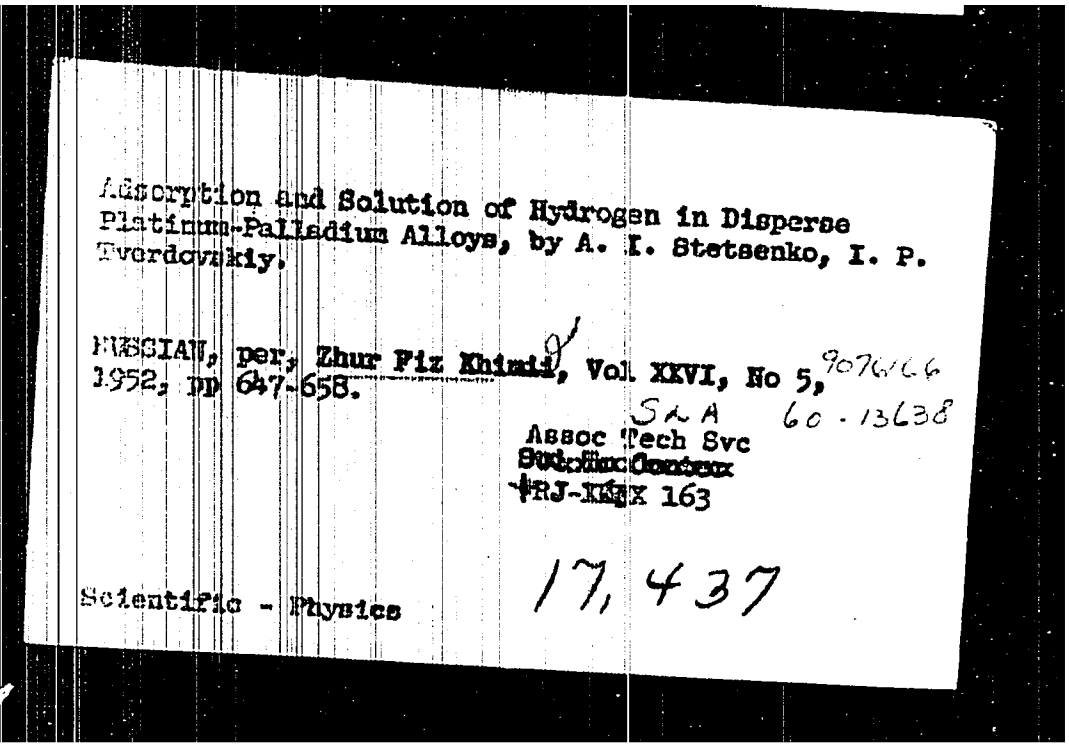

Adsorption and Solution of Hydrogen in Disperse Platinum-Palladium Alloys, by A. I. Stetsenko, I. P. Dvordovskiy.

RUSSIAN, per, Zhur Fiz Khimii, Vol XXVI, No 5, 1952, pp 647-658.

907666

SLA 60-13638

Assoc Tech Svc
RJ-XXX 163

17,437

Scientific - Physics

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

The Kinetics of the Formation of Calcium Hydride, by V. A. Shushunov, A. I. Shafyev, 11 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, 1952, pp 672-679.

AEC Tr 3220

Sci - Physics
Jun 58

65,944

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Structure of the Alpha-Modification of Lead Dioxide, by A. I. Zaslavskiy, S. S. Tolkachev. UNCLASSIFIED

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, No 5, 1952, pp 743-752.

*NRL

Sci - Min/Met
Mar 61

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

Khoroshin, A. V. and Temkin, M. I.
THERMOELECTRIC AND THERMODIFFUSION PHENOMENA IN SOLUTIONS OF ELECTROLYTES. [1963] [29]p. 25 refs.
Order from OTS or SLA $2.60 63-14677

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1952, v. 26, no. 6, p. 773-786.

DESCRIPTORS: *Thermoelectricity, *Thermal diffusion, *Electrolytes, Thermocouples, Entropy, Silver compounds, Chlorides, Measurement.

(Chemistry--Physical) TT, v. 10, no. 2)

63-14677

I. Khoroshin, A. V.
II. Temkin, M. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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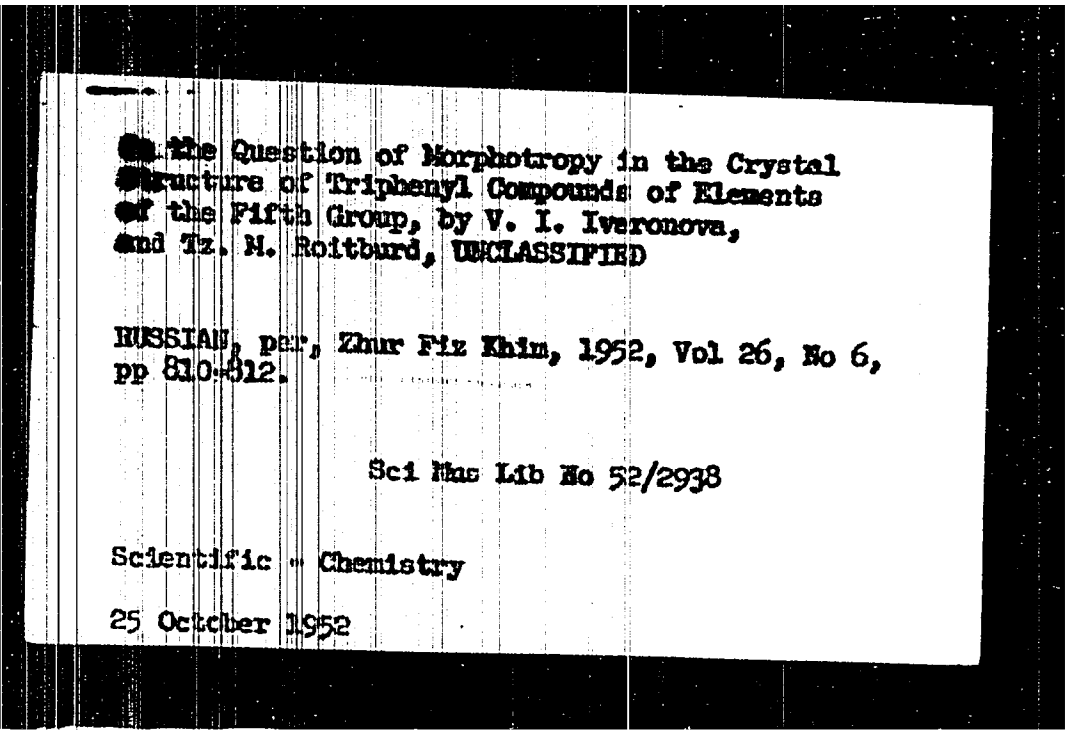

On the Question of Morphotropy in the Crystal Structure of Triphenyl Compounds of Elements of the Fifth Group, by V. I. Iveronova, and Tz. M. Roitburd, UNCLASSIFIED

RUSSIAN, per, Zhur Fiz Khim, 1952, Vol 26, No 6, pp 810-812.

Sci Mus Lib No 52/2938

Scientific - Chemistry

25 October 1952

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

Retarding Action of Gaseous ReactionProducts on the Rate of Reduction of Manganese Oxides by Hydrogen and Carbon Monoxide, by G. I. Chufarov, B. D. Averbuch, E. P. Tatyevskaya, V. K. Antonov, 10 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, 1952, pp 834-841.

AEC NP 132
DAAR-5085

Sci - Chem

Oct 53

74,606

RUSSIAN-TO-FRENCH
OTS PT-62-21755

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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The Kinetics of the Transformation of Polymorphous Modifications of Ammonium Nitrate. II., by B. V. Erofeyev, N. I. Mitskevich, 16 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXVI, No 6, 1952, pp 848-861.

T. I. L. T 4308

Sci - Physics, Chemistry 39,364

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290039-2

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The Value of the Standard Potential of the Ni - $Ni(OH)_4$ Couple and the Properties of the Hydroperoxide of Nickel, by S. I. Sobol, 8 pp.

GERMAN, per, Zhur Fiz Khim, Vol XXVI, 1952, pp 862-865.

AEC Tr 2081

Scientific - Chemistry Mar 55 CTS/DEX

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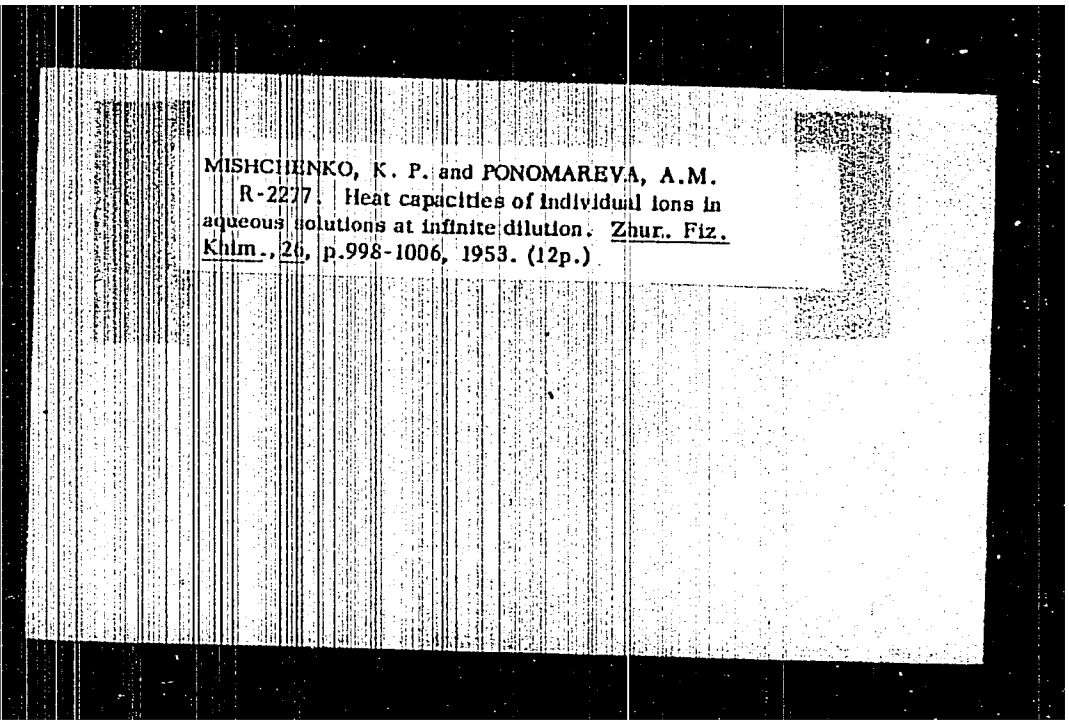

MISHCHENKO, K. P. and PONOMAREVA, A.M.
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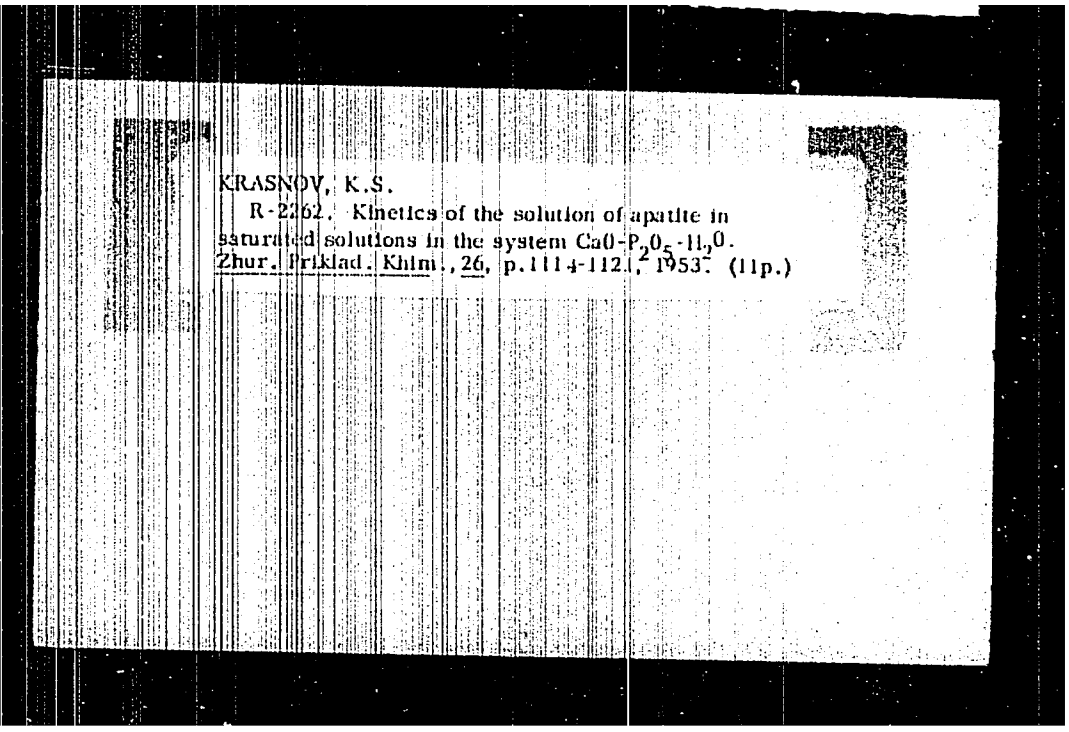

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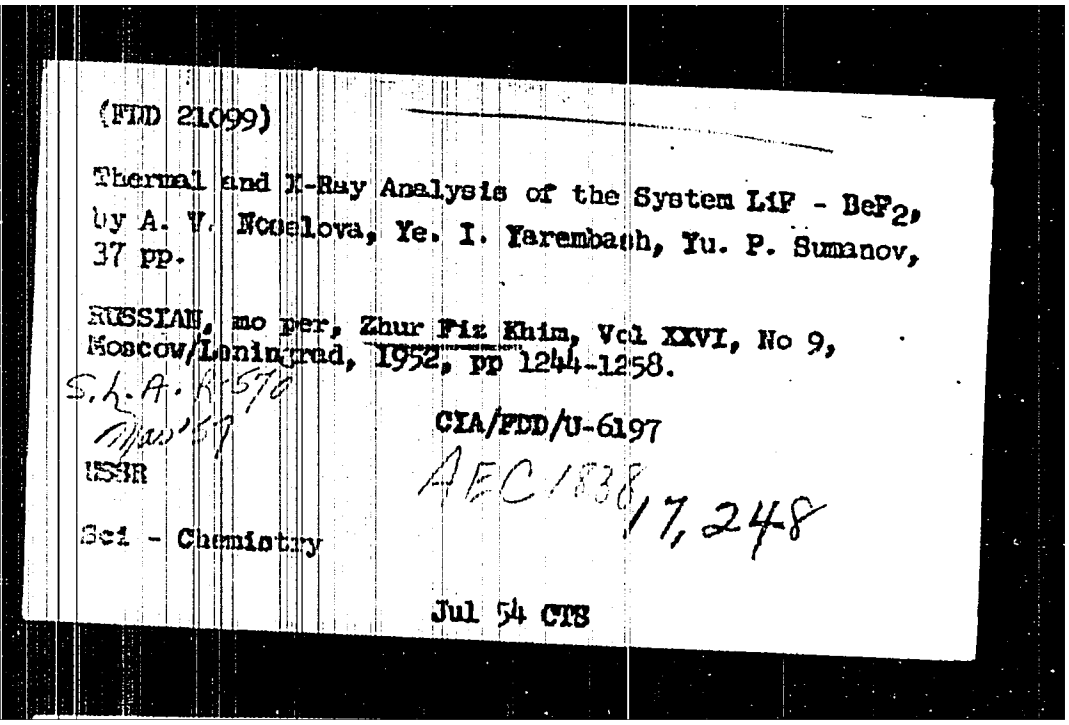

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Title: Unknown. pp. 1259-1265.

Author: Bol;der, G.A., et al.

Source: Zhur. Fiz. Khim. Vol. 26, (1952).

Language: Russian. 8 pp

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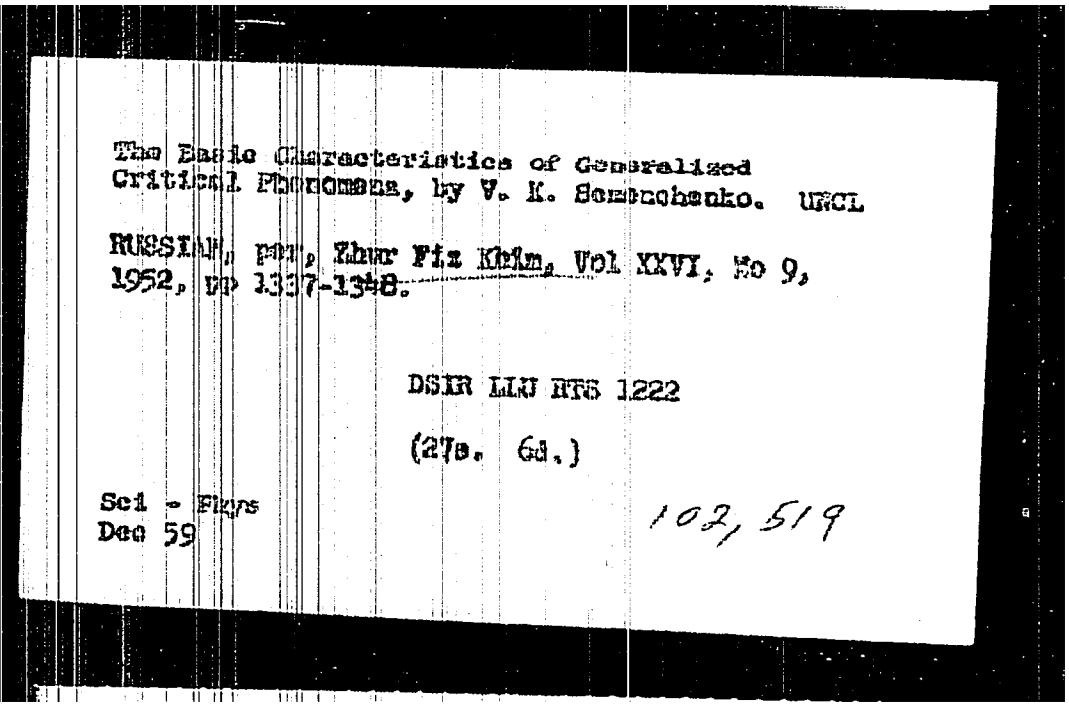

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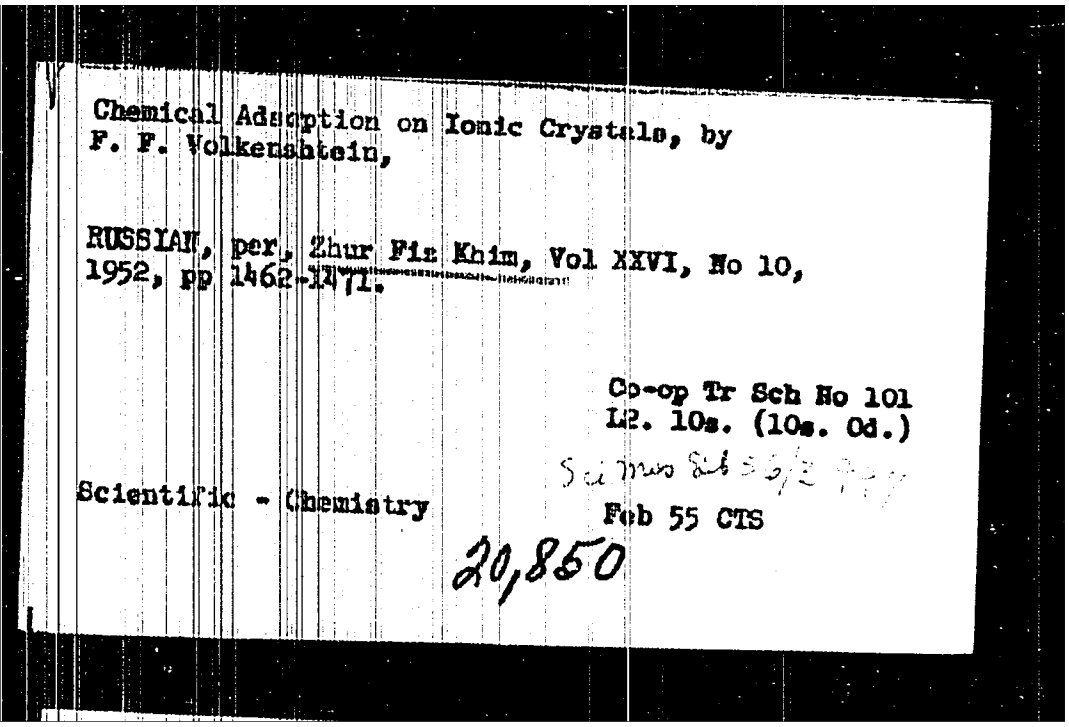

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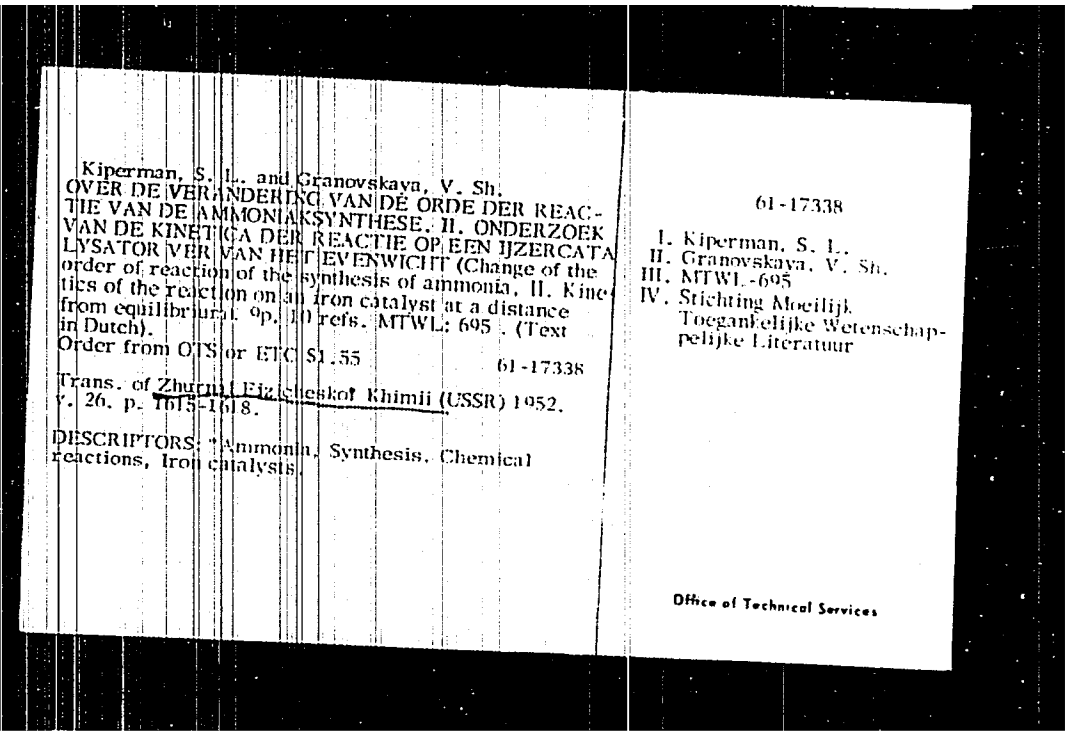

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DESCRIPTORS: *Ammonia, Synthesis, Chemical reactions, Iron catalysts.

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